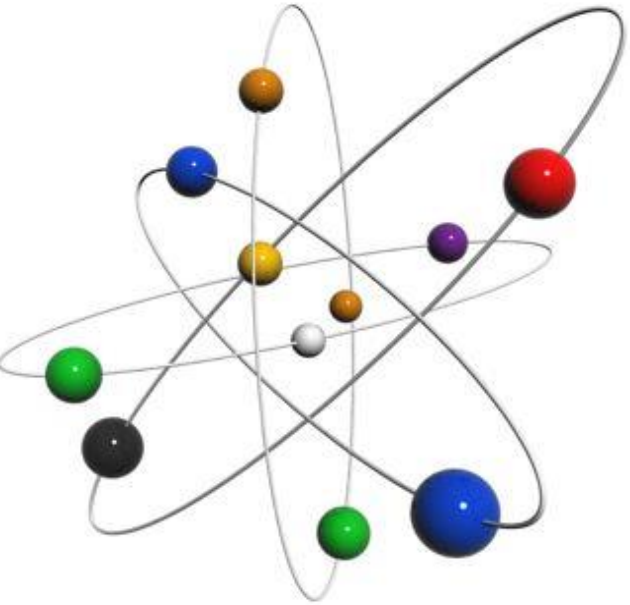
INSTITUT KIMIA MALAYSIA

MYCN

MALAYSIAN YOUNG CHEMISTS NETWORK



Outstanding Young Chemist Award 2022

Registration:
shorturl.at/avFX6

Webinar:
shorturl.at/arSU2

Winner Showcase Webinar

3 March 2023, 3 pm – 4 pm

*E-certificate will be provided for full attendance to the sessions

Prof. ChM Dr Janet Lim Hong Ngee

Universiti Putra Malaysia

IKM Outstanding Young Chemist Award 2022 Winner (Academic)



Abstract

Graphene comprises a single layer of carbon atoms in a honeycomb structure. The distinctive derivatives of graphene such as graphene oxide, graphene nanoplatelets and graphene quantum dots make it savvy for various applications. Graphene is widely reported as an additive for polymer to increase the tensile strength, automotive to enhance lubricity and power output, electronics to improve detection and thermal and electrical conductivity, and agriculture and pharmaceutical for sustained release formulations. Many researchers are drawn to investigate energy storage devices utilizing graphene. A myriad of graphene-based materials for anode, cathode and separators results in energy storage devices of various configurations. The reason behind extensive research in this field is to discover and achieve the optimum measurements for specific capacitance, specific capacity and cycling stability. Owing to the intriguing and superlative properties of graphene, it is captivating to find out if researchers are any closer to producing the perfect energy storage device(s).

ChM Dr Mohamad Nasir Mat Arip

Forest Research Institute Malaysia

IKM Outstanding Young Chemist Award 2022 Winner (Industry)



Abstract

This presentation aims to showcase the research achievements of the presenter over the past 18 years. The focus will be on his work in the field of wood preservation and the results he has obtained from his studies. As a chemist working in a wood preservation analytical laboratory, the presenter will also share his experience. Finally, he will offer guidance and advice to young chemists on how they can develop their skills and knowledge in this field. The presentation will provide a valuable opportunity for attendees to learn about the latest research and advancements in wood preservation, as well as the presenter's views and recommendations for the next generation of chemists.